

EXHIBIT 1  
Acronym List for JPL Facilities M&O Contract  
7/31/02

A	annual
A/C	air conditioning
ACM	asbestos contaminated materials
ADA	Americans with Disabilities Act
AFFF	aqueous film-forming foam
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
AWS	American Welding Society
BHMA	Building Hardware Manufacturer's Association
BS	basic service
CAT A	Category A
CAT X	Category X
CFC	chlorofluorocarbon (class of refrigerants)
CMMS	Computerized Maintenance Management System
CO	Contracting Officer
C of F	Construction of Facilities
COTR	Contracting Officer's Technical Representative
CPO	Central Plant Operations
CRV	current replacement value
CT	current transformers
CTM	Contract Technical Manager
CTMR	Contract Technical Manager's Representative
D5	daily five times per week
D7	daily seven times per week
DDC	direct digital control
EAO	JPL Environmental Affairs Office
EMCS	Energy Monitoring and Control System
EMS	Energy Management System
EPA	Environmental Protection Agency
ERT	Emergency Response Team
ESD	electrostatic discharge
FBR	fixed burden rate
FCA	Facilities Condition Assessment
FDS	Facilities Design Standards
FFP	firm fixed price
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FM	Factory Mutual
FMS	Functional Management System

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FSR	Facility Service Request
GFCI	ground fault circuit interrupter
GFE	government-furnished equipment (in this case JPL)
GFF	government-furnished facilities (in this case JPL)
GFM	government-furnished material (in this case JPL)
GFI	ground fault (circuit) interrupter
GP	General Provision (California Institute of Technology)
gpm	gallons per minute
GSA	General Services Administration
HAZMAT	hazardous material
HAZWOPER	Hazardous Waste Operations and Emergency Procedures
HM	hazardous material
HVAC	heating, ventilation, and air conditioning
ID	identification
IPM	integrated pest management
JPL	Jet Propulsion Laboratory
kV	kilovolt
LEL	lowest exposure limit
LACSD	Los Angeles County Sanitation Districts
M	monthly
MAXIMO	product name of CMMS
M&O	maintenance & operations
M&R	maintenance & repair
MIS	management information system
MPY	mils per year
MSDS	Material Safety Data Sheets
MSO	Maintenance Service Order
MWS	Monthly Work Schedule
NACE	National Association of Corrosion Engineers
NEC	National Electric Code
NEPA	National Environmental Policy Act
NFPA	National Fire Protection Association
NHB	NASA Handbook
NHPA	National Historic Preservation Act
NPG	NASA Procedure Guideline
NRCA	National Roofing Contractors Association

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NSS	NASA Safety Standards
NTP	Notice to Proceed
ODS	ozone-depleting substances
O&M	operations and maintenance
OPS	operations
OSHA	Occupational Safety and Health Administration
O.S.O.	Occupational Safety Office
PCB	polychlorinated biphenyl
PCC	Power Control Center
PGM	programmed maintenance
PLC	programmable logic computer
PM	preventive maintenance
POL	petroleum/oil/lubricant
PPE	personal protective equipment
ppm	parts per million
PRV	pressure-reducing valve
PT&I	predictive testing and inspection
Q	quarterly
QA	quality assurance
QAE	Quality assurance evaluator
QC	Quality Control
RCM	reliability centered maintenance
RIEI	Roofing Industry Educational Institute
ROI	replacement of obsolete items
RTF	run to failure
SA	semiannual
SCAQMD	South Coast Air Quality Management District
SM	semimonthly
SOW	Statement of Work
SPECSINTACT system	(automated specification processing, storage, and retrieval system for preparing JPL construction and repair contract documents)
SR	Service Request
SSPC	Steel Structures Painting Council
STAEFA	[product name for Energy Management System, product of Siemens]
SWPPP	Storm Water Pollution Prevention Plan
TC	trouble call
UL	Underwriters Laboratory

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ULV	ultra-low volume
UPS	uninterruptable power supply
VAV	Variable air volume
VOC	volatile
W	weekly
2W	twice weekly
3W	three times a week